

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A receive path of a voice messaging system with speakerphone capability, comprising:

a receive signal from a telephone line;

a summer in said receive path;

a gain module;

a message playback signal relating to a user pre-recorded voice message; and

a record module adapted to record said receive signal from said telephone line during a conversation on said speakerphone;

wherein said message playback signal is combined with said receive signal by said summer, allowing simultaneous hearing of said message playback signal and said receive signal by a local user of said speakerphone while allowing simultaneous recording of said receive signal from said telephone line.

2. (previously presented) The receive path of a voice messaging system with speakerphone capability according to claim 1, further comprising:

a switched loss echo suppression module in said receive path.

3. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, further comprising:

a hybrid echo canceler adapted to remove a transmit signal from said receive signal, said transmit signal including said message playback signal;

wherein said message playback signal is combined in said receive path at a point after said hybrid echo canceler.

4. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, further comprising:

a message gain module between said message playback signal and said summer.

5. (original) The receive path of a voice messaging system with speakerphone capability according to claim 4, wherein said message gain module comprises:

an automatic gain control portion; and  
a fixed gain portion.

6. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, wherein said gain module comprises:

a automatic gain control portion; and  
a fixed gain control portion.

7. (original) The receive path of a voice messaging system with speakerphone capability according to claim 2, wherein:

said switched loss echo suppression module is located in said receive path at a point after said gain module.

8. (previously presented) The receive path of a voice messaging system with speakerphone capability according to claim 2, further comprising:

a digital to analog converter in said receive path at a point after said switched loss echo suppression module.

9. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, further comprising:

a receive voice activity detector in communication with said receive path, said receive voice activity detector indicating a receive condition of said speakerphone.

10. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, wherein:

said voice messaging system is a telephone answering device.

11. (original) The receive path of a voice messaging system with speakerphone capability according to claim 1, further comprising:

a conversational record signal formed from a gained representation of said receive signal summed with a gained representation of a transmit signal to said telephone line.

12. (original) The receive path of a voice messaging system with speakerphone capability according to claim 11, wherein:

said gained representation of said receive signal is formed using both automatic gain control and fixed gain.

13. (original) The receive path of a voice messaging system with speakerphone capability according to claim 11, wherein:

said gained representation of said transmit signal is formed using both automatic gain control and fixed gain.

14. (currently amended) A method of allowing a playback message signal to be combined with a receive signal in a voice messaging system having speakerphone capability, comprising:

hybrid echo canceling a transmit signal from a receive signal at a summer in a receive path of a voice messaging system having speakerphone capability;

summing a playback message signal comprising a user recorded voice message together with said hybrid echo canceled signal at a point in said receive path after said summer;

maintaining said speakerphone in a receive state until transmit activity is detected; and

recording said receive signal during a conversation on said speakerphone while allowing simultaneous summing of said playback message signal comprising said user recorded voice message together with said hybrid echo canceled signal.

15. (previously presented) Apparatus for allowing a playback message signal to be combined with a receive signal in a voice messaging system having speakerphone capability, comprising:

means for hybrid echo canceling a transmit signal from a receive signal at a summer in a receive path of a voice messaging system having speakerphone capability;

means for summing a playback message signal comprising a user recorded voice message together with said hybrid echo canceled signal at a point in said receive path after said summer;

means for maintaining said speakerphone in a receive state until transmit activity is detected; and

means for recording said receive signal during a conversation on said speakerphone while allowing simultaneous summing of said playback message signal comprising said user recorded voice message together with said hybrid echo canceled signal.

16. (currently amended) A method of playing back a recorded voice message, comprising:

establishing a telephone call;

initiating a speakerphone function of a near end voice messaging device in said telephone call;

playing back a voice message recorded on said near end voice messaging system while said telephone call remains established;

injecting an electrical signal corresponding to said played back voice message into said telephone call such that individual users at either end of said telephone call can hear said played voice message and concurrently converse with one another as desired; and

recording an incoming voice signal associated with said telephone call during a conversation on a speakerphone while allowing simultaneous injecting of said played back voice message into said telephone call.

17. (original) The method of playing back a recorded voice message according to claim 14, wherein:

said voice messaging system is a telephone answering device.

18. (previously presented) The method of playing back a recorded voice message according to claim 16, wherein:

said electrical signal is injected digitally.

19. (currently amended) Apparatus for playing back a recorded voice message, comprising:

means for establishing a telephone call;

means for initiating a speakerphone function of a near end voice messaging device in said telephone call;

means for playing back a voice message recorded on said near end voice messaging system while said telephone call is established;

means for injecting an electrical signal corresponding to said played back voice message into said telephone call such that individual users at either end of said telephone call can hear said played voice message and concurrently converse with one another as desired; and

means for recording an incoming voice signal associated with said telephone call during a conversation on a speakerphone while allowing simultaneous injecting of said played back voice message into said telephone call.

20. (original) The apparatus for playing back a recorded voice message according to claim 17, wherein:

said voice messaging system is a telephone answering device.

21. (previously presented) The apparatus for playing back a recorded voice message according to claim 19, wherein:

means for injecting said electrical signal injects said signal digitally.

22. (currently amended) A method of recording a conversation, comprising:

activating speakerphone operation of a near end telephone system;

playing back a voice message recorded on said near end telephone system while a telephone call is established; and

while said speakerphone operation is activated, allowing simultaneous recording of a conversation utilizing said speakerphone and playing back said voice message recorded on said near end telephone system.